

Serial No: 08/444,934

Filed: May 22, 1995

AMENDMENT AND RESPONSE TO OFFICE ACTION  
UNDER 37 C.F.R. § 1.116

Appendix: Pending Claims:

4. Purified human tissue factor protein expressed from a nucleotide molecule encoding a tissue factor selected from the group consisting of tissue factor having an amino acid sequence as provided in Figure 2 from at least amino acid residue one to at least amino acid residue 219, and human tissue factor having an amino acid sequence as provided in Figure 2 from at least amino acid residue one to at least amino acid residue 219 wherein an amino acid residue at an N- or O-glycosylation site is substituted, wherein the tissue factor has activity in a clotting assay with human plasma.

5. The tissue factor protein of claim 4 wherein the nucleotide molecule does not encode the transmembrane domain defined by amino acids 220 to 243 as provided in Figure 2.

6. The tissue factor protein of claim 4 wherein the nucleotide molecule encodes a tissue factor having an amino acid sequence as provided in Figure 2 from amino acid residue one to amino acid residue 219.

8. The tissue factor protein of claim 4 having an amino acid sequence as provided in Figure 2 and expressed in a recombinant non-human host cell.

20. A soluble isolated tissue factor expressed from a nucleotide molecule encoding tissue factor in a recombinant non-human host cell, the tissue factor having the amino acid sequence shown in Figure 2 from amino acid one to an amino acid residue between amino acid residues 219 and amino acid residue 263, wherein the tissue factor has activity in a clotting assay.

21. The tissue factor of claim 20 which is not glycosylated.

23. The tissue factor of claim 20 having an amino acid sequence of Figure 2 from between amino acid one and between residues 220 and 263.

24. A tissue factor comprising the amino acid sequence shown in Figure 2 wherein the cysteine residues are substituted with other amino acids.

25. A tissue factor comprising the amino acid sequence shown in Figure 2 wherein the potential proteolysis sites are deleted by replacing the amino acids with glutamyl or histidyl residues or deleting one of the basic residues.

27. The recombinant human tissue factor of claim 20 expressed in a host cell selected from the group consisting of prokaryotic cells, non-human animal cells, insect cells, plant cells, and yeast, having activity in a clotting assay.

28. The recombinant human tissue factor of claim 27 which is not glycosylated.

29. The recombinant human tissue factor of claim 27 comprising the amino acid sequence shown in Figure 2 from amino acid residue one to amino acid residue 263.

31. Recombinant human tissue factor protein expressed from a nucleotide sequence encoding an amino acid sequence comprising from amino acid residue one to amino acid

Serial No: 08/444,934

Filed: May 22, 1995

AMENDMENT AND RESPONSE TO OFFICE ACTION  
UNDER 37 C.F.R. § 1.116

residue 219 as provided in Figure 2, wherein the tissue factor protein has activity in a clotting assay with human plasma.

32. The recombinant human tissue factor protein of claim 31 wherein the nucleotide sequence does not encode the transmembrane domain of human tissue factor.

33. The recombinant human tissue factor protein of claim 32 wherein the nucleotide sequence does not encode the amino acid sequence from amino acid residue 220 to amino acid residue 243 as provided in Figure 2.

34. The recombinant human tissue factor protein of claim 31 which is not glycosylated.

35. The recombinant human tissue factor protein of claim 31 which is expressed in a host cell selected from the group consisting of prokaryotic cells, non-human animal cells, insect cells, plant cells, and yeast.

36. The recombinant human tissue factor protein of claim 31 which includes an amino or carboxyl terminal fusion.

37. The recombinant human tissue factor protein of claim 31 wherein the amino acid sequence consists of from amino acid 1 to amino acid 263 as provided in Figure 2.

38. The tissue factor of claim 31 wherein the cysteine residues are substituted with other amino acids.

39. The tissue factor of claim 31 wherein the potential proteolysis sites are deleted by replacing the amino acids with glutaminyl or histidyl residues or deleting one of the basic residues.

40. The tissue factor of claim 31 wherein a residue at an N- or O-glycosylation site is substituted or deleted.

41. Recombinant human tissue factor protein comprising an amino acid sequence from amino acid residue one to amino acid residue 219 as provided in Figure 2, wherein the tissue factor protein has activity in a clotting assay with human plasma.